



NC/QC/YD-W-4/2018-19/AV-C1

Date: 21-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Development of Burial Ground Ward No-13, C Category Part-1.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Dasarahalli Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

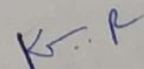
PHYSICAL TESTS ON CEMENT

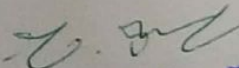
Grade * : 53,
Type * : O.P.C

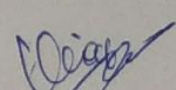
TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	161 min	Shall not be less than 30 min
2	Final setting time	258 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.19 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.11 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	29.46 N/Sq mm	Shall not be less than 27 N/Sqmm

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For Newzen Consultants Bar



NC/QC/YD-W-4/2018-19/AV-PCCI

Date: 21-04-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
(Project*: Development of Burial Ground Ward No-13, C Category Part-I.)

Ref.: Material testing/PMC/18-19.

Report Required for: Assistant Executive Engineer,
Dasarahalli Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	63.55	0 - 20	30- 70
10mm	31.20	0 - 5	10- 35
4.75mm	3.95	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

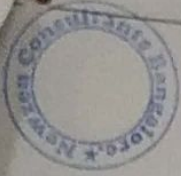
FINE AGGREGATES TABLE - SIEVE ANALYSIS:					
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -III	The Sample Conforms to Grading Zone-II
04.75	98.10	90-100	90-100	90-100	
02.36	83.55	60-95	75-100	85-100	
01.18	62.90	30-70	55-90	75-100	
600.mic	57.25	15-34	35-59	60-79	
300.mic	22.40	5-20	8-30	12-40	
150.mic	7.05	0-10	0-10	0-10	

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YD-W-4/2018-19/AV-C2

Date: 25-04-2018

I. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Development of Burial Ground Ward No-13, C Category Part-1.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Dasarahalli Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade *

Type *

: 53,

: O.P.C

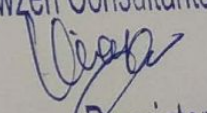
TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	159 min	Shall not be less than 30 min
2	Final setting time	277 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.79 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	1.92 mm	Shall not be more than 10 mm
	Compressive strength b) 3 days (average of three results)	29.40 N/Sq mm	Shall not be less than 27 N/Sqmm

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE



NC/QC/YD-W-4/2018-19/AV-PCC2

Date: 25-04-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
(Project*: Development of Burial Ground Ward No-13, C Category Part-I.)
Ref: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Dasarahalli Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. COARSE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	66.10	0 -20	30- 70
10mm	21.80	0 -5	10- 35
4.75mm	3.95	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

TABLE - SIEVE ANALYSIS:					
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -III	
04.75	97.15	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	86.70	60-95	75-100	85-100	
01.18	60.20	30-70	55-90	75-100	
600.mic	55.85	15-34	35-59	60-79	
300.mic	26.20	5-20	8-30	12-40	
150.mic	6.85	0-10	0-10	0-10	

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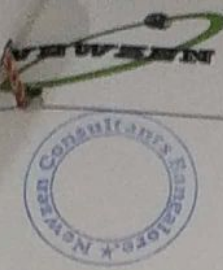
Asst. Executive Engineer

Project Sub Division-I

Dasarahalli Zone,

Bruhat Bengaluru Mahanagara Palike

Proprietor



NC/QC/YD-W-4/2018-19/AV-C3

Date: 07-05-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Development of Burial Ground Ward No-13, C Category Part-1.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Dasarahalli Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	163 min	Shall not be less than 30 min
2	Final setting time	269 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.87 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	1.91 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	29.21 N/Sq mm	Shall not be less than 27 N/Sqmm

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NC/QC/YD-W-4/2018-19/AV-CBI

Date: 17-05-2018

I. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Development of Burial Ground Ward No-13, C Category Part-I.}

Ref.: Material testing/PMC/18-19.

Report Required for: Assistant Executive Engineer,
Dasarahalli Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE**CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

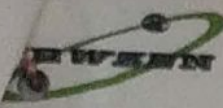
Grade of Concrete* : M₂₀**TABLE 1.1:**

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	10-05-18	17-05-18	07	22500	375	16.67	17.04
	002	"	"	"	"	390	17.33	
	003	"	"	"	"	385	17.11	

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NC/QC/YD-W-4/2018-19/AV-CB2

Date: 30-05-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Development of Burial Ground Ward No-13, C Category Part-1.}

Ref.: Material testing/PMC/18-19,
Report Required for: Assistant Executive Engineer,
Dasarahalli Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M₂₀

TABLE 1.1:

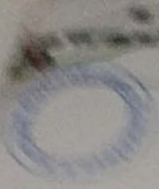
Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	23-05-18	30-05-18	07	22500	390	17.33	17.26
	002	"	"	"	"	400	17.78	
	003	"	"	"	"	375	16.67	

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For Newzen Consultants Bangalore
Proprietor



NEWREEN W-42008-10AY-0001

Date: 20-06-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES

Sub: Testing of Concrete Cubes (CS - Minors Compressive Strength)
(Project: Development of Rural Ground Water No. 13, C. Category, Part-1.1)
Ref: Material Testing (PAC) (R.14)
Report Required for: Assistant Executive Engineer,
Rural Water Project Division,
BHM, Bangalore
Name of the Agency/Contractor: Mrs. KRPL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete : M20

TABLE 1.1:

Sl No	Location/Identification*	Date of Casting*	Date of Testing	Age in Days	CS Area in mm ²	Maximum Load in K.N	Compressive Strength (N/mm ²)	Avg. Value
1	001	23-05-18	20-06-18	28	22500	510	22.67	22.37
	002	"	"	"	"	495	22.00	
	003	"	"	"	"	305	22.44	

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